In re application of WILLIAMS ET AL.
Serial No. 09/849,170

## Listing of the Claims:

1.    (Previously presented):  A computer system, comprising,

a writing instrument that generates movement information including acceleration

information from a user's handwriting; and

    a conversion component that utilizes the acceleration information to

generate line thickness information.

2.    (Original):  The computer system of claim 1, wherein the writing

instrument is a pen.

3.    (Previously presented):  The computer system of claim 1, wherein

the writing instrument comprises an accelerometer configured to generate the

acceleration information.

4.    (Previously presented):  The computer system of claim 3, wherein

the accelerometer generates analog movement information, and wherein the

writing instrument comprises an analog-to-digital converter for converting the

analog movement information to digital data.

5.    (Original):  The computer system of claim 4, wherein the conversion

component is located remote from the writing instrument, and further comprising

transmitting the digital data to the conversion component.

2

In re application of WILLIAMS ET AL.
Serial No. 09/849,170

6.    (Original):  The computer system of claim 5, wherein the digital data is transmitted via a wireless connection.

7.    (Original):  The computer system of claim 5, wherein the digital data is transmitted via a hardwired connection.

8.    (Original):  The computer system of claim 3, wherein the accelerometer is configured to generate tilt information.

9.    (Currently amended):  A computer system, comprising, a writing instrument that generates movement information including acceleration information from a user's handwriting; and
    a conversion component that utilizes the acceleration information to generate line thickness information The computer system of claim 8, wherein the conversion component generates thickness information based upon spacing of plots in a map of a plot of the movement information.

10.    (Original):  The computer system of claim 9, wherein the thickness information is based upon the samples/unit distance of the plots.

3

In re application of WILLIAMS ET AL.
Serial No. 09/849,170

11.    (Original):  The computer system of claim 10, wherein the thickness
information increases a thickness component as the samples/unit distance
increase.

12.    (Previously presented):  The computer system of claim 3, wherein
the conversion component generates thickness information based upon
wavelengths of the movement information.

13.    (Original):  The computer system of claim 12, wherein the thickness
information increases a thickness component as the wavelengths increase.

14.    (Original):  The computer system of claim 1, wherein the conversion
component is located remote from the writing instrument, and further comprising
transmitting the digital data to the conversion component.

15.    (Original):  The computer system of claim 14, wherein the digital
data is transmitted via a wireless connection.

16.    (Original):  The computer system of claim 14, wherein the digital
data is transmitted via a hardwired connection.

17.    (Previously presented):  The computer system of claim 3, wherein
the movement information comprises tilt information.

4

In re application of WILLIAMS ET AL.
Serial No. 09/849,170

18.     (Currently amended):  A computer system, comprising,

a writing instrument that generates movement information including acceleration

and tilt information from a user's handwriting; and

____a conversion component that utilizes the acceleration information to

generate line thickness information~~The computer system of claim 17, wherein the~~

~~conversion component generates thickness information~~ based upon spacing of

plots in a map of a plot of the tilt information.


19.     (Original):  The computer system of claim 18, wherein the thickness

information is based upon the samples/unit distance of the plots.


20.     (Original):  The computer system of claim 19, wherein the thickness

information increases a thickness component as the samples/unit distance

increase.


21.     (Previously presented):  The computer system of claim 1, wherein

the movement information comprises pulses having wavelengths.


22.     (Original):  The computer system of claim 21, wherein the thickness

information increases a thickness component as the wavelengths increase.


5